APPENDIX D - METERING COMMUNICATIONS STANDARDS

Basic Metering Services

The Delivery Service company meter installed at the customer site will be used for the calculation of customer billing determinants. Billing determinants are defined as the energy/demand quantities (e.g., kWh, kW; On Peak and Off Peak) required for the customer's appropriate Delivery Service company rate schedule. Data obtained from the Delivery Service company meter and class load profiles will provide the requirements of the hourly load estimation process for Independent System Operator New England ("ISO-NE") reporting for all customer accounts which are not telemetered.

Customer Extended Metering Services Choices

The Delivery Service company meter will also be used to provide customer or Energy Service Provider ("ESP") "Extended Metering Services." Telemetering is mandatory for all customers in [Utility specific rate class no.] and company designated special contract customers. The options for customers in other rate classes are as follows:

Telemetering - Provides the capability to remotely obtain a customer's hourly usage data and monthly billing determinants through the use of dedicated, direct telephone lines. Customer or ESP may also use their own compatible "Read Only" software to access the meter for their own non-billing purposes. Telemetering will be used for daily ISO-NE reporting of actual customer loads. Mandatory telemetering costs will be recovered via Delivery Service charges. Non-mandatory telemetering will be billed in direct charges for initial costs to the affected customers under the Retail Open Access Tariff (R-OAT).

Load Pulse Outputs - Load pulses from the meter that provides analog customer load information. Customer or Energy Service Provider may use this real time energy data output for interfacing to their own energy monitoring/management systems or external communication equipment. The cost of pulse outputs will be billed in direct charges to the affected customers under the R-OAT.

Special Request Metering - The company will work with the customer or ESP to integrate new metering products into its operations. Customers or ESPs may request the company to install a particular meter or metering equipment as long as it meets all applicable standards and company requirements. The customer or energy supplier shall bear all costs associated with the new metering product approval process as well as the incremental cost associated with the installation, ownership and ongoing maintenance of the meter and /or metering equipment.

Benefits of Extended Metering Services ("EMS")

EMS provides a range of available billing, load management and data services for customer or Energy Service Provider.

It is intended to provide the core information needed to facilitate the development of energy supplier products and services.

EMS enables customer or ESP remote access to their own customer usage data via telemetering and local access via load pulses interface.

It enables customer or ESP to attach any compatible device of their choice to the company supplied meters' real time load pulse interface. Load pulses can be input into the customer's energy management system for monitoring and controlling loads.

EMS telemetering options enable rate customers to have the company substitute the customer's actual hourly load date in lieu of customer rate class estimated data for daily ISO-NE load reporting by the company.

Once a customer has selected to have their load telemetered, they will not be allowed to go back to class load profiles for ISO-NE reporting since profiles by definition are less accurate than actual customer data..